



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q77875

Atsushi TERAHARA, et al.

Appln. No.: 10/682,515

Group Art Unit: 1711

Confirmation No.: 2950

Examiner: Unknown

Filed: October 10, 2003

For: BLOCK COPOLYMER AND USE THEREOF

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. European Patent Application No. 1 394 879 A1, published March 3, 2004, to Ube Industries, Ltd.
2. Japanese Laid-Open Patent Publication No. 11-273695, published October 8, 1999, to Asahi Glass Co., Ltd., with English Abstract.
3. Japanese Laid-Open Patent Publication No. 10-21943, published January 23, 1998. This application corresponds to U.S. Patent No. 5,985,477.
4. U.S. Patent No. 5,985,477, issued November 16, 1999, to Iwasaki et al.
5. Japanese Laid-Open Patent Publication No. 10-45913, published February 17, 1998. This application corresponds to U.S. Patent No. 6,087,031.

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6. U.S. Patent No. 6,087,031, issued July 11, 2000, to Iwasaki et al.
7. Japanese Laid-Open Patent Publication No. 2001-250567, published September 14, 2001. This application corresponds to U.S. Patent Application Publication No. 2001/0041279 A1.
8. U.S. Patent Application Publication No. 2001/0041279 A1, published November 15, 2001, to Terahara et al.
9. Japanese Laid-Open Patent Publication No. 11-502249, published February 23, 1999, with partial English translation. This application corresponds to WO 96/29360.
10. WO 96/29360, published September 26, 1996, to Hoechst Aktiengesellschaft, with English Abstract.
11. E.A. Ticianelli et al., "Methods to Advance Technology of Proton Exchange Membrane Fuel Cells", *J. Electrochem. Soc.: Electrochemical Science and Technology*, Vol. 135, No. 9, September 1988, pp. 2209-2214.

One copy of each of the listed documents, other than any U.S. patents and patent publications, is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a British Combined Search and Examination Report dated March 31, 2004, which identifies References 1 and 2 above and indicates the degree of relevance of those two references as found by the foreign patent office.

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Information Disclosure Statement

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

  
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Date: May 4, 2004

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Complete if Known	
(use as many sheets as necessary)				Application Number	10/682,515
				Confirmation Number	2950
				Filing Date	October 10, 2003
				First Named Inventor	Atsushi TERAHARA
				Art Unit	1711
				Examiner Name	Unknown
Sheet		1	of	1	Attorney Docket Number
Q77875					

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 5,985,477	A	11-16-1999	Iwasaki et al.
		US 6,087,031	A	07-11-2000	Iwasaki et al.
		US 2001/0041279	A1	11-15-2001	Terahara et al.
		US			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)		
		EP	1 394 879	A1	03-03-2004	Ube Industries, Ltd.
		JP	11-273695	A	10-08-1999	Asahi Glass Co., Ltd.
		JP	10-21943	A	01-23-1998	
		JP	10-45913	A	02-17-1998	
		JP	2001-250567	A	09-14-2001	
		JP	11-502249	A	02-23-1999	
		WO	96/29360	A1	09-26-1996	Hoechst Aktiengesellschaft
						Abstract
						5985477
						6087031
						2001/ 0041279
						Partial
						Abstract

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.			Translation <sup>6</sup>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.